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In The Claims:

PATENT CLAIMS

Claims 1-18 (canceled without prejudice or disclaimer).

Claim 19. (New) A relative pressure sensor for measuring a pressure difference between a pressure being measured and the ambient atmospheric pressure, comprising:

a platform; and

a measuring membrane loadable with a pressure being measured, wherein:

said measuring membrane is secured at its edge to said platform;

said pressure chamber is formed between said platform and said measuring membrane; and

said pressure chamber communicates over a reference air path with the atmosphere, said reference air path includes a winding path.

Claim 20. (New) The relative pressure sensor as claimed in claim 19, wherein:

said winding path lies essentially in a plane.

Claim 21. (New) The relative pressure sensor as claimed in claim 20, wherein:

said plane extends parallel to the plane of said measuring membrane.

Claim 22. (New) The relative pressure sensor as claimed in claim 21, wherein:

the length of the projection of said winding path onto the plane of said membrane amounts to at least 50%, preferably at least 65%, and especially preferably at least 80% of the total length of said winding path.